

## Edge Quickbridge 1066 LNK, a cost effective wireless backhaul solution



The Proxim Edge Quickbridge 1066 LNK is a highly reliable outdoor, high throughput Point to Point system designed to deliver years of reliable service and priced to fit cost-sensitive medium-range backhaul projects.

The Edge Quickbridge 1066 LNK enables rapid deployment of fast and efficient networks and offers:

- Flexible channel planning with support for 5.900 to 6.425 GHz
- High throughput MIMO 2x2:2 with radio rates of 300 Mbps at 40 MHz
- High power radio delivering up to 25 dBm (2 RF)
- High reliability and advanced QoS for quad play applications
- Dual IPv4 and IPv6 stacks
- IP67 rated enclosure with surged protect ethernet port

The Edge Quickbridge is powered by Proxim's advanced Wireless Outdoor Router Protocol (WORP). Among the many benefits of WORP is its effective use of bandwidth, granular service level management, and an advanced Quality of Service engine.

### Highly Secure

The Edge Quickbridge 1066 LNK provides enterprise class security to ensure full protection of sensitive information

- AES 128 encryption and Radius based authentication
- Secure management (SSL/TLS1.2, SSH and SNMPv3) preventing unwanted configuration changes

### Easy to Deploy

The Edge Quickbridge 1066 LNK simplifies network deployment and includes:

- Link kit: two endpoints in a box.
- Built-in 15 dBi 33-degree dual-polarity antenna for out of the box usage.
- Integrated full axis mounting kit for antenna alignment.
- 802.3af/at power over Ethernet compliant

### Centralized Management

The Edge Quickbridge 1066 LNK is fully integrated into the ProximVision<sup>®</sup> Advanced management platform, giving network operators advanced management and monitoring options including:

- Rapid Network Deployment: automates configuration processes for faster, more efficient deployment of Proxim Wireless networks
- Advanced Statistic and Analytic data for network optimization

### Key Technologies

#### Proxim WORP<sup>®</sup>

Combines network access control, data scheduling, advanced QoS and encryption to ensure highly efficient and secure data transmission.

#### Proxim ClearConnect<sup>™</sup>

A suite of interference mitigation technologies ensuring robust and reliable communications in high-density wireless deployments

### About Proxim Wireless

Proxim Wireless is a global leader in advanced wireless broadband and WiFi solutions that deliver high performance and high availability communications.

Celebrating 40 years of pioneering wireless solutions, Proxim is recognized for unparalleled reliability, superior performance, and drive for innovation.

## Specifications

PRODUCT MODELS		PART NUMBERS			
QB-1066-LNK	Edge Quickbridge 1066, Link, 300 Mbps, Integrated Antenna	902-00939	QB-1066-LNK-WD		
INTERFACES					
WIRED ETHERNET WIRELESS PROTOCOL	One auto MDI-X RJ45 10/100/1000Mbps Ethernet with PoE in WORP® (Wireless Outdoor Router Protocol)				
RADIO & TX SPECS					
MIMO MODULATION FREQUENCY CHANNEL SIZE DATA RATE TX POWER TX POWER CONTROL	2x2:2 OFDM BPSK-QAM64 5.900 – 6.425 GHz (Subject to Country Regulations) 5, 10, 20 and 40 MHz Upto 300 Mbps Up to 25 dBm (dual chain) 0 - 22 dB, in 1 dB steps. Automatic TPC with configurable EIRP limit				
		5 MHz	10 MHz	20 MHz	40 MHz
TX POWER (dual RF)	MCS0	25	25	25	25
	MCS7	20	20	20	20
	MCS8	25	25	25	25
	MCS15	20	20	20	20
RX SENSITIVITY (Per=10 <sup>-6</sup> )	MCS0	-97	-95	-92	-89
	MCS7	-77	-75	-72	-69
	MCS8	-96	-93	-90	-88
	MCS15	-73	-70	-68	-61
OTHER	Dynamic Channel Selection (DCS) based on interference detection Automatic Transmit Power Control (ATPC) with EIRP limit support				
ANTENNA					
QB-1066-EPR	Integrated 2x2 MIMO 15 dBi Dual Polarized 33 degree Panel Antenna				
MANAGEMENT					
REMOTE	Telnet and SSH, Web GUI and SSL/TLS1.2, TFTP, SNMPv3				
SNMP	SNMP v1-v2c-v3, RFC-1213, RFC-1215, RFC-2790, RFC-2571, RFC-3412, RFC-3414, Private MIB				
OTHER	Syslog, sFlow™ agent, Sntp and local time, Spectrum analyzer				
Multi-Language Support	Web Interface available in English, French, Spanish and Chinese				
SECURITY					
ENCRYPTION	AES 128				
AUTHENTICATION	Internal MAC Address Control List, Radius based Authentication (with VLAN and QoS provisioning)				
QoS					
Asymmetric Bandwidth Control	Asymmetric UL/DL committed and maximum information rate per service flow				
Packet Classification Capabilities	802.1p priority, IPTOS, VLAN ID, IP addresses, ports, Ethernet addresses, IP protocol, and EtherType				
Scheduling	Best Effort, Real Time Polling Services				
NETWORK					
MODES	Bridging, Routing (RIP v2 and IP tunneling)				
IP STACK	IPv4 and IPv6 simultaneously				
GATEWAY FEATURES	DHCP Server & relay, NAT with Std ALGs, PPPoE end point with Proxy DNS				
VLAN	802.1Q: Management VLAN. Transparent, Access, Trunk and Mixed mode. QinQ double tagging				
POWER					
	802.3af/at compliant				

POWER CONSUMPTION				
	10 W typical, 12 W max			
ENVIRONMENTAL SPECS	OPERATING TEMPERATURE	STORAGE TEMPERATURE	HUMIDITY - IP RATING	WIND LOADING
	-30° to 55° Celsius (-22° to 131° Fahrenheit)	-50° to 70°C (-58° to 158° Fahrenheit)	100% relative humidity – IP67	180 km/h (112.5 mph)
PHYSICAL SPECS	DIMENSIONS PACKAGED	DIMENSIONS UNPACKAGED	WEIGHT (PACKAGED)	WEIGHT (UNPACKAGED)
QB-1066-EPR	310 x 226 x 98 mm (12.2 x 8.9 x 3.85 in)	170 x 217 x 56 mm (6.7 x 8.55 x 2.2 in)	2.15 kg (4.74 lbs)	1.20 kg (2.65 lbs)
SAFETY STANDARDS				
	IEC 62368-1:2016 & 60950-22:2016 EN 62368-1:2014 + A11:2017 & 60950-22:2017			
PACKAGE CONTENTS				
	<ul style="list-style-type: none"> <li>• One Edge Quickbridge QB-1066-LNK with integrated antenna</li> <li>• Two M25 weather proofing cable gland</li> <li>• Two wall mounted power injector with US to EU plug adapter</li> <li>• Two full axis mounting kits</li> <li>• Two Grounding kit</li> <li>• Two Quick Installation Guide</li> </ul>			
MTBF & WARRANTY				
	>250 000 hours, 2-year warranty, ServPak Extended Support available.			